

Data Masking for Adabas

EFFECTIVELY MASK SENSITIVE AND PROTECTED DATA IN ADABAS DATABASES

You're under pressure to use realistic data in Adabas databases across your non-production platforms. Now, with Data Masking for Adabas, you can be sure that any production data copied for use in non-production areas, such as software and system development, can be effectively masked to protect your customers and your company and also comply with data protection legislation—all without any loss to the integrity of the data.

Any data used for testing in a software development lifecycle has to accurately reflect how that data is used in production so that new systems may be tested as completely and successfully as possible.

Taking a copy of live production data outside the security of a production environment is a risky practice often performed by companies to assemble the data needed in software and system testing. If this data is not somehow masked, de-sensitized or obfuscated in some way, commercially sensitive or Personally Identifiable Information (PII) are at risk of exposure.

Using Data Masking for Adabas, sensitive data, such as names, account information and medical details stored in your Adabas, are quickly and effectively masked, rendering all information untraceable and unable to exploit should the security of your non-production environment be compromised.

With Data Masking for Adabas, you can:

- De-sensitize production data so it can be used with confidence in non-production environments
- Mask, obfuscate or shuffle data without compromising the shape, relationships, structure or integrity of your data
- Reproduce masking strategies on new data or re-mask existing data to give consistent, reproducible and safe datasets that are fit for purpose
- Eliminate the risk of revealing PII or commercially sensitive information should a data breach happen
- Gain peace of mind that no matter where the information resides, the sensitivity of your data has been removed and the threat of credibility, legal action or embarrassment eliminated
- Count on the full integrity of the original environment while easily creating and managing high-quality, "production-like" data



With Data Masking for Adabas, you can provide high-quality test data while protecting sensitive production data.

Data Masking for Adabas is ideal if you must comply with legal requirements to protect data, you need to prevent malicious or accidental data exposure, or you want to avoid the devastating public consequences of inappropriate data exposure.

FEATURE	WHAT IT IS ...	WHY YOU CARE ...
Use of data semantics	<ul style="list-style-type: none"> • Masks sensitive data, such as social security and credit card numbers • Provides test data that reflects reality 	<ul style="list-style-type: none"> • Improve application quality • Speed up development • Ensure legal compliance
Defining masking rules	<ul style="list-style-type: none"> • No need to write programs to disguise data that needs maintenance • Simply use a CSV file and write down what needs to be done 	<ul style="list-style-type: none"> • Those managing the data models can define masking rules • Simplify keeping rules in sync with the data model
Flexible rule creation	<ul style="list-style-type: none"> • A simple frame and columns in the CSV file allow fast definition of rules • By specifying table and column name, a function key word and parameters a new rule is ready to be used • Keywords define functionality 	<ul style="list-style-type: none"> • Verify masking results fast • Speed up creating new data • Get IT and business speaking the same language • Make changes easily
Change auditing	<ul style="list-style-type: none"> • A CSV file makes it easy to document the rules simply by using the rules as the mentation • By setting a run-time parameter, the changes are logged but not applied to the target • Rules for the masking process also can be used for auditing by simply storing files securely 	<ul style="list-style-type: none"> • No need for additional documents! • Minimize the time to verify masking results • Save money by checking a limited amount of changed data before running the entire masking process
Support for your reference data	<ul style="list-style-type: none"> • Allows you to provide reference data in separate files for a masking process 	<ul style="list-style-type: none"> • Adjust data to your business needs
Support for different data sources	<ul style="list-style-type: none"> • Applications using different data sources get consistent test data 	<ul style="list-style-type: none"> • Instruct the masking process cost effectively by using the same set of instruments, such as rules
Support for all major operating systems	<ul style="list-style-type: none"> • Runs on all major platforms 	<ul style="list-style-type: none"> • No platform-specific masking knowledge required

HOW IT WORKS

With Data Masking for Adabas, sensitive data, such as names, account information and medical details, can be altered in such a way that they are untraceable and unusable should they fall into the wrong hands. However, the structure of the data and relationships between the data remains intact.

Data Masking for Adabas:

- Has a simple and straightforward user interface, allowing users to define the masking function maps
- Is easy to implement for small to large projects with multiple requirements
- Automatically masks consistently across different RDBMSs and databases
- Enables auditing of old and new values

- Provides multiple built-in routines and algorithms to mask data
- Allows the users to include their own custom masking routines
- Allows the addition of the users' own seed tables to ensure data appears "production like"
- Works for all database types
- Is optimized for maximum performance, minimizing impact on existing processes
- Enables compliance with current regulations, such as HIPAA, PCI DSS, GLBA and the data protection act

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ABOUT SOFTWARE AG

Software AG is the global leader in Business Process Excellence. Our 40 years of innovation include the invention of the first high-performance transactional database, Adabas; the first business process analysis platform, ARIS; and the first B2B server and SOA-based integration platform, webMethods.

We offer our customers end-to-end Business Process Management (BPM) solutions delivering low Total-Cost-of-Ownership and high ease of use. Our industry-leading brands, ARIS, webMethods, Adabas, Natural, CentraSite and IDS Scheer Consulting, represent a unique portfolio encompassing: process strategy, design, integration and control; SOA-based integration and data management; process-driven SAP implementation; and strategic process consulting and services.

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